

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/001440**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 G06F 17/60**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G06F 17/60

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean patents and applications for inventions since 1975 and Korean utility models and applications for utility models since 1975  
Japanese utility models and applications for utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 2001-00219 B1 ( TWOAD CO., LTD. ) 05 JANUARY 2001 see the abstract	1-24
A	JP 14-109005 A ( CASIO COMPUT CO LTD ) 12 APRIL 2002 the whole document	1-24
A	KR 2001-08277 A ( CHO, JANG HWAN ) 5 FEBRUARY 2001 the whole document	1-24
A	JP 10-312415 A ( DAINIPPON PRINTING CO LTD ) 24 NOVEMBER 1998 the whole document	1-24
A	KR 2003-43678 A ( KABUSHIKI KAISHA WORLD ) 2 JUNE 2003 the whole document	1-24

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

09 AUGUST 2004 (09.08.2004)

Date of mailing of the international search report

11 AUGUST 2004 (11.08.2004)

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.  
PCT/KR2004/001440

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2001-00219 B1	05.01.2001	KR 1999-49280	08.11.1999
JP 14-109005 A	12.04.2002	None	
KR 2001-08277 A	05.02.2001	None	
JP 10-312415 A	24.11.1998	None	
KR 2003-43678 A	02.06.2003	JP 2001-361058	27.11.2001